

An
Inaugural Dissertation
On
Amnesia

Respectfully Submitted
To

The Medical Faculty
of
The University of Pennsylvania
By

Thos. E. Lowe Admitted March
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of
South Carolina.

Ameneorrhoea.

Ameneorrhoea is derived from the Greek words *amēn* a month and *rhoē* to flow. It consists in a suppression or partial obstruction of the menstrual evacuation from other causes than disease, pregnancy and old age. Cullen has placed this disease in the class of *calidæ*, & order *epischistæ*, and divides it into *emansio mensium*, *suppressio mensium* and *difficilis menstruatio*; the situation of this last however is not strictly correct, though it may be considered as a variety of the suppression, as the discharge is temperate suppressed. It is my object to treat only of the two first.

The *emansio mensium* is when the discharge does not occur at the time when it should take place. The period however for the flow of the menses is so much influenced by climate, the mode of living, the peculiarities of the constitution, and structure of the body, that it

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attempt to lay down any data for their appearance is at once futile and impracticable.

Thus in northern regions the period is retarded to the eighteenth or twentieth year. In the temperate zone thirteen to fifteen is the usual time, while farther south it is not unusual or uncommon to see girls of the age of ten or eleven years old with their offspring in their arms. It is not therefore from the age of a person Retention is to be considered a disease; but it is, when about the customary time of the flow of the menses, many unpleasant disorders arise which from their nature we are induced to attribute them to Retention. These are ushered in by a general languor and sluggishness of the body, appetite often bad or fanciful, having an extraordinary desire for the eating of hard and indigestible substances as chalk, lime, plaster, clay, sand, charcoal &c. at the same time a disgust or loathing

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ing of the common and proper articles of diet. The bowels for the most part are constipated accompanied with bad bilious acids & fetid excretion with many other signs of dyspepsia. These symptoms continue for a while when the less complexion subsides and we have in its stead, a pale, yellow, and often a greenish color of the skin, together with a vomiting of a greenish matter from which the disease takes its name. The lips and gums exchange their vermilion hue for a greenish paleness. The eye is dull and heavy, the lower part of the orbit is a little swollen and of a darkish color. The pulse generally is small and slow but by the slightest exercise it becomes quick and irregular. Palpitations of the heart, also laboring and humid respiration are induced by bodily exertion and mental emotion. Syncope sometimes occurs, also convulsions: *hædæ* & delirium, vertigo, impaired memory, afterwards

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insuperable in some instances to confine
 -ed mania and idiotism. The mind is in
 an invariable and melancholy state, which
 causes the unhappy sufferer to avoid compa-
 -ny and seek solitude. - If the disease is
 not arrested here it runs on into Phthisis Pulmo-
 -nalis: or the flesh becomes soft and flaccid,
 the perspiration checked, oedematous swellings
 of the extremities are succeeded by anasarca,
 and death finally closes the melancholy scene
 however in the worst stages of this complaint,
 when death appears to be fast depending and
 almost inevitable: a small discharge of mucus
 or serous matter, somewhat colored with blood
 makes its appearance and gradually gives
 signs of returning health. It comes on at first
 at distant and irregular periods, it by degrees
 assumes a more natural appearance, and a
 more regular time of recurring, until finally
 -ly the strength of the system being restored

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and by the influence of habit, its perfect nature and character are fully established: when we will now behold her, who had been a churlish, pale, yellow, chlorotic girl, in possession of a chagrin disposition, a blooming complexion with all the other appearances of perfect health. But indeed so very rare does the disease take such a favorable tendency, that we not infrequently see cases which resist the virtues of the best remedies, and baffle the skill of the most learned Physician.

Dissections of those that have died of Retention of the menses, shew the crania to be in a dropsical or schirus state. The Uterus, Liver, Spleen, pancreas and mesenteric glands have also been found in a diseased condition.

Cause. The disease we are now treating of may depend on a malformation of the genital organs; a deficiency or deranged state of the crania; an imperfect development of the Uterus,

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an imperforated hymen: But by far the most frequent cause is debility of the system in general and Uterus in particular. what sometimes though very rare, gives origin to this disease is plethora or too much fulness.

Treatment. In conducting the cure of this complaint, I shall make allusion only to such cases as it is in the power of the Practitioner to relieve. when the menses are retained in consequence of an imperforated hymen, it will be made sufficiently obvious, by the girl about the usual time of menstruation possessing good spirits and health, and shewing she had arrived to the years of maturity by the enlargement of her mammae; the perceptible change which takes place in her voice and manner: and when about the accustomed periods of menstruation she has all the symptoms indicating such an action going on and no discharge appearing, while

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at the same time the abdomen continues to enlarge when such symptoms as these present under such circumstances we should, ^{not} hesitate to make an examination per vaginam, should the hymen be found to be imperforated immediate relief will be afforded by perforating it with a trocar or some other sharp pointed instrument.

In cases where this disease proceeds from debility, the indications of cure are perfectly clear and intelligible, the object we should have in view is, in the first place to restore the system to its former strength and vigor: and secondly to administer some stimulant that would have a direct action on the uterine vessels. For the purpose of fulfilling the first indication such a course should be pursued, that is best calculated to give support to the system.

We must direct for our patient a generous nutritious diet, with a liberal use of wine, particularly avoiding those articles which disagree with

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her, also those that are liable to fermentation, moderate exercise, either walking, riding in a carriage, or on horse back, the last is preferable; care must be taken however that it should not be carried to such an extent as to induce fatigue. The warm-bath impregnated with common salt succeeded by frictions with dry flannel or a flesh-brush, should be used.

Clothing is an article of considerable consequence in the cure of this complaint; the patient should always be kept warm and comfortable, sometimes it is even necessary she should wear flannel next the skin, and above all, particular attention should be taken to keep her feet perfectly warm and dry as by neglecting this simple precaution the cure may be wonderfully retarded if effected at all. The patient should enjoy the benefit of pleasant and agreeable company, and nothing I conceive would have a better tendency than permitting her to attend parties, as the com-

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lination of exercise, music, and agreeable society, would give vigor to her frame, and bring into operation all those warm and pleasant feelings of the mind which exercise such a powerful influence over the body, therefore the different watering places in the summer should be visited, and something also may be anticipated from the tonic property of the waters.

The different calybrate preparations must be used the best of these is the carbonate of iron in doses from 10 to 15^{grs} two to three times a day; this however most generally disagrees with the stomach and to avoid that inconvenience we should prescribe a neat and an agreeable prescription made as follows.

Rx. Rubigo Ferri ℥ss.

Cort. Aurant. ℥ss.

Rad. Gentian. ℥ss.

Vin. Opot. Rii These in-

gredients in a bottle well stopp'd should stand

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two or three days in a warm situation; it then should be decanted when it is prepared for use half a wine glassful should be given several times a day.

The teas, of chamomile flowers, of the hop & quassia are highly efficacious tonics, and well suited to this case.

Cold-bathing in the disease before us should be used with considerable caution and discrimination, when the system possesses sufficient susceptibility to produce reaction it most assuredly is beneficial, should this however not occur it will be decidedly injurious.

When at the commencement of this disease there is sickness at the stomach, nausea or vomiting, we should prescribe an Emetic of fifteen or twenty grs. of Spica. to free and cleanse the stomach of its acid and inactive fluids. During the whole course of the disease the bowels must be carefully and

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regularly attended to, they are generally in a torpid and inactive state, which by sympathy the action is communicated to the whole system; to obviate this condition of things the Hortic or Hooper's pill given once or twice a day as the occasion may demand is well adapted.

We now arrive to the second object of care which is to stimulate use. Such means as are best calculated to stimulate the vessels of the Uterus: here again the different kinds of exercise may be mentioned as possessing such a power; also as having the same tendency are frictions of the lumbar region, and inside of the thighs, Leeches applied to the Vulva have been much recommended as acting on the principle of revulsion. Electricity passed through the uterine region at the time when leeches are applied around the thighs stimulate in a considerable degree that organ.

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What may be considered as very useful, & should always be resorted to in cases of this kind, is the bathing of the feet and legs in warm water just before going to bed; or sitting over the flames of warm water.

As the impediments to the common process of nature in retention are almost entirely if not invariably dependant on constitutional causes, so consequently it is only necessary in most of instances to use such means for removing them as operate on the general system; but however, in those cases where this mode of treatment will not prove successful we are to resort to that class of medicines called emmenagogues, and these, from their direct and stimulant action on the uterus, should be employed with a sound and discriminating judgment, to prevent them from being injurious: the regulations that should govern their administration will be mentioned under the head *Suppression*, as being now used

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in and applicable to that form of the disease.
 It has been mentioned that in some cases of
 chlorosis many symptoms appear which bear
 a very striking resemblance to Phthisis Pulmo-
 nalis, though by paying particular attention
 to them it may be seen it is not connected
 with diseased Lungs, but it has a tendency
 that way and should it be suffered to
 run on for any length of time, it certainly
 would become confirmed consumption; it may
 be distinguished from Phth. Pulmon. by the fol-
 lowing signs. The pulse although frequent is
 not subject to regular exacerbations; a full inspi-
 ration gives no pain, and but little disposition
 to cough; the cough is not increased by motion
 or on going to bed, but it is worse in the morn-
 ing, attended with an expectoration of Phlegm,
 It is not short like that excited by Tubercles
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the hysterical symptoms accompanying this affection, the digestive powers are almost always deranged. In this disease a gentle emetic must occasionally be given, and the bowels are to be kept in a soluble state; as an emetic the *Sulphas Cupri* has by some been preferred, though I do not know for what reason, indeed its operation is so quick and its effects so confined and limited, it appears to me that one of a more perswading nature would have a better tendency, as *Spessacantha* either alone or combined with *Tartar. Emetic.* Mr. Harris strongly recommends *Myrrh* combined with the oxide of *Zinc* as being well adapted to this complaint; also ammoniac given in the form of an emulsion with oil for relieving the cough; if the patient be in the city she should remove to the country and take moderate exercise. Her diet should be light but nourishing; Milk generally agrees with such patients very well, but the light,

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digestible kinds of meat should not be prohibited. If the disease should resist the power of this treatment, and continue to become worse; she should be directed to go to some warm climate: as being the most certain and steady means of relief. Emmenagogue appears to be of no advantage in this disease.

When retention of the Menses is dependant on a plethoric state of the system no one can hesitate to reduce the system down to the healthy standard by the judicious employment of venesection, cooling cathartics, abstinence &c.

Suppressed Menses, may be divided into checked, and obstructed. It is called checked when it is stopped from some cause during its flow and obstructed when from the operation of some agent during the interval its recurrence is prevented. The causes most liable to produce check-

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-ed menstruation and violent passions of the mind, application of cold to the body, and excessive ~~exercise~~ exercise: which not only occasions the flow to be discontinued, but produces considerable pains in the uterine region, spasmodic contractions of the stomach and intestines, hysterical symptoms and not uncommonly considerable fever. The disarrangement is not always only temporary, the former strength and vigor of the uterus may not be restored for a considerable time after these symptoms subside. The most speedy and effectual means of relieving these distressing affections are, by the employment of the Semicupium, afterwards placing the patient in bed, and give her large doses of Laudanum with some speacuanha or the saline pills, and warm diluents: what also is very good is a combination of Camphor with opium liberally given. If the stomach be so irritable

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as to reject whatever is swallowed, an injection composed of Laudanum with camphor or opoponax should be thrown up the rectum.

The abdomen must be well fomented and rubbed. Should this disease be accompanied with fever or a full plethoric habit, the lancet must not be withheld. Provided these means be not sufficient to restore the discharge at the regular periods, we must proceed as directed hereafter.

I mentioned above that the menses may be prevented from occurring at the regular periods by the interference of some cause during the interval which is called obstructed menstruation. It is well known and universally admitted, when the menses have been once established in their course that cannot be suppressed with impunity by any other cause than conception. So with this single exception, as soon as they deviate from

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their monthly appearance we have sufficient evidence to believe there exists some barrier to the common process of nature, which if suffered to remain for any time would become a source of considerable inconvenience, if not even danger. This disease has by some authors ^{been} divided into Idiopathic and Symptomatic, which appears to me to be perfectly correct and proper, for if we attribute primary diseases to the Stomach, Liver & other organs, why should we not to the Uterus, for it is a viscus that performs important and independent functions, it possesses a vast degree of sensibility, and in every respect appears to be equally liable to the attacks of Idiopathic diseases as the other viscera, & may unquestionably when much affected, strongly influence the constitution.

The Causes producing this disease are Cold, fear, anxiety of mind, confinement, frequent abortions, excessive venery &c. Obstruction however

the world of the mind is a vast
and unexplored territory. It is a
world of ideas and feelings, of
thoughts and emotions, of
imagination and reason. It is a
world that is constantly changing
and growing, and that is full of
mystery and wonder. It is a world
that is not bound by the laws of
physics or chemistry, but by the
laws of the human mind. It is a
world that is full of beauty and
harmony, and that is a source of
inspiration and joy. It is a world
that is worth exploring and
understanding, and that is a part
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is sometimes symptomatic of other diseases, and particularly of general debility of the system.

When the menstrual flux remains obstructed for any time it not infrequently happens that the blood which should have been determined to the uterus, takes a direction to some of the other parts of the body, from which it observes a periodical flow; for instance from the eyes, nose, ears, mammae, lungs, hemorrhoids, &c.

A very remarkable case of a vicarious discharge was communicated in the 17th No of the Medical records by R. Lee Roche M.D. of Philadelphia, where the female had a sandy discharge from the neck, feet, and hands, at the period of menstruation. Another case related by the same gentleman in the same No where his patient had a monthly evacuation from the saphena vein. These discharges are always preceded by symptoms similar to those indicating a flow of the menses.

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In forming our opinion of the Prognosis in this disease, we are to be governed, by the causes which have given rise to it the length of time it has continued, and the state of the person's health in other respects. when suddenly obstructed in consequence of cold, excess of passion &c. it may be easily restored by pursuing a proper course. but in cases where it has been of long standing and Leucorrhoea attends we are to consider them as unfavorable.

Dissection of those that have died of this disease, shew the ovaria and uterus to be diseased in a similar manner, as in retention.

The immediate and remote effects of obstruction are very much modified by the previous state of the system, particularly with regards to a weak debilitated, and a plethoric habit.

Also by the condition of the individual organs which already disposed to disease, may they be excited more readily to a morbid action.

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Treatment. In our endeavor to cure this disease we must recollect that it may be connected with two very different states of the system. In those cases where it occurs in a debilitated condition of the system we must proceed much in the same way as recommended under the head Retention. The patient should take exercise on horse-back proportioned to his strength. It would be advisable for him if possible to reside in the country. All the ~~tonics~~ that were mentioned under the treatment of Retention as the preparations of Iron and copper; Bezoarable bitters &c. are proper here. If there is not a too decided chlorotic disposition the cold-bath must be employed, but should this produce head-aches, chillings and languor, it should be discontinued and the tepid bath substituted. as co-operating with these means we should have recourse to the various Emmenagogues; and none appears to be

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Senega, this article was first recommended by Doct. Hartshorn of this City, as possessing very valuable properties in the cure of this disease, which has also been corroborated by the ample experience of Doct. Chapman. I have myself seen this medicine succeed in restoring the discharge in two women who had for a considerable ^{time} resisted the powers of various articles of this class, in both cases it was given at first in the proportion of $\frac{zj}{\text{ss}}$ ^{at the evacuation} in the twenty-four hours, and when the menstrual effort was expected, it was administered in as large doses as the stomach could bear. In neither case was it necessary to continue the medicine longer than three weeks as the menstrual evacuation was restored and the patients recovered entirely. Should the simple decoction disagree with

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the patient some aromatic, as orange-peel, cinnamon, ginger &c. should be added. During the interval it is advised to discontinue it for a week or two, as it becomes nauseous and offensive to the stomach, if not infusious. Dr Chapman thinks it is well adapted to those cases where the deciduous membrane is formed; when this state or condition of the Uterus exists the menstrual discharge is invariably suspended, the reason is obvious enough for the two actions are totally incompatible with each other, as there is no doubt the vessels which secrete the menses are now concerned in the production of this new body.

Tinct. Gaur Guac. &c. is highly recommended by Dr. Ferrius in the complaint before us; he observes that from an experience of thirty years, he has in no single instance had this Tinct. to fail him, when the disease was not connected

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sive experience and the undoubted benignity of
this learned Physician we cannot for a moment
hesitate, to employ it in all cases, when it is
admissible with promptness and perseverance.
The Tinct. he employs is different from the for-
mula in the Shops, in having $\frac{3}{4}$ viij of the Gum
Guaiac. instead of \mathcal{M} . he advises a teaspoonful of
Tinct. to be given three times a day gradually in-
creasing the quantity. The Doct. again observes
it is admirably suited, to the detachment of, &
changing the action that, produces the decid-
uous membrane.

The Juniperus Sabina from its well known stim-
ulant effects on the Uterus appears to promise to
be, in cases of extreme debility and torpor, an im-
portant and an important emenagogue. It was first
brought into public notice by Dr. Boon of Edin-
burgh about half a century ago, who bore Haemag

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testimony in its favor. the high authority of
Galen however, who was very sceptical with
regards to the virtues of all emmenagogues threw
it back over more into partial disuse; it is
at present only occasionally resorted to, it is given
in doses of fifteen or twenty grs. of the powder &
leaves there or four times a day.

Heleborus Niger is an article that possesses no
ordinary powers as an emmenagogue; it was first
recommended by Trillax, who considered it
as highly useful in obstructive menses. Doct
Physick also concurs in that belief and ob-
serves he scarcely ever saw a difficult case
cured without it; and it most commonly given
in the form of Tinct Melampodii, in the quan-
ty of thirty or forty drops, several times a day.

To the number of Emmenagogues already enu-
merated, we might enter into a full detail of the
virtues of Rubia Tinctorum, Cantharidis, Nephorus
Terebinthinate preparations &c. But it appears

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to me that it would only be an unnecessary
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About the period the menstrual effort
 is expected to be made, we should be vi-
 -gilant in our attention and prompt in the
 administration of proper remedies; as by such
 a course much good may be done, by giv-
 -ing at this time an emetic, that will produce
 an active and vigorous insurrection on the stom-
 -ach; by an associated action that condition
 of the uterus will be apt to be restored, which
 is necessary for it to perform its secretory func-
 -tion: this should be accompanied with de-
 -micurium, together with at night a pill of
 opium. Blister has also been recommended
 to be applied, to the region of the uterus, or on
 the lumbar region, and to the inside of the
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the face flushed, the eyes red and inflamed, the skin dry and warm, pains in the head & lumbar region, a sensation of weight and oppression in different parts of the body:— the Laxative should be used, and indeed the antiphlogistic plan should be strictly adhered to as frequent purging, low diet &c. when by this treatment the system is reduced to the natural standard, and the menses still continue obstructed, we should cautiously introduce some of the mild emmenagogues, with an occasional purge consisting of Aloe and Rhubarb or Calomel.

Thus gentlemen, I have to the extent of my abilities performed the last requisite imposed on every candidate of this institution for a degree. In no part do I assume to myself anything as original, but have merely given those ideas which I have collected from yourselves & my reading.

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Should I be so fortunate as to meet your
approbation the height of my ambition will
be obtained; In closing this dissertation I
cannot refrain from expressing to you, my
deep sense of gratitude for the many use-
-ful and important lessons you have
taught me; That you may long continue
to adorn those high and responsible offices
you now occupy is

the ardent wish

Thos. C. Power

There is a great deal of
information to be had from
the various sources of
information that are
available to us. It is
important to be able to
find out what is going on
in the world around us.
This is the purpose of
this book. It is to
show you how to find
out what is going on
in the world around you.

The first part of the book

is devoted to the study of
the history of the world.